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*Ruth Montalvo*  
Ruth Montalvo

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: :

**Golan HANINA, et al** : Art Unit: 2825

Serial No.: 10/045,651 : Examiner: Not yet assigned

Filed: November 7, 2001 :

Title: MULTI-LAYER PRINTED CIRCUIT BOARD  
FABRICATION SYSTEM

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**BOX MISSING PARTS**  
Commissioner for Patents  
Washington, D.C. 20231

PETITION UNDER 37 C.F.R. §1.182

SIR:

Applicants hereby petition for acceptance that page 24 was deposited in the USPTO with the nonprovisional application papers filed on November 7, 2001.

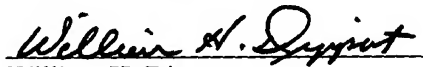
On April 12, 2002 Applicants received a Notice to File Missing Parts indicating that page 24 of the Specification was missing from the application papers filed. As is set forth in the attached Declaration of William H. Dippert, page 24 was in fact included with the papers forwarded to the USPTO. Therefore, since page 24 was not missing from the application papers filed, the USPTO records should be modified to indicate that page 24 was in fact received by the USPTO.

06/07/2002 MBERHE 00000052 033419 10045651  
05 FC:122 130.00 CH

The petition fee of \$130 and any other fee deemed due should be charged to Deposit Account No. 03-3419. However, should page 24 be considered to have been received, the petition fee should then be credited to Deposit Account No. 03-3419.

Also, a copy of page 24 is also enclosed. Should the USPTO not deem page 24 to have been deposited on November 7, 2001, it is requested that said page be deemed to have been deposited as of the filing date of this petition.

Respectfully submitted,



William H. Dippert

Reg. No. 26,723

REED SMITH LLP

375 Park Avenue

New York, New York 10152

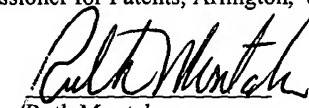
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Ruth Montalvo

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Golan HANINA, et al

:

Art Unit: 2825

Serial No.:

10/045,651

:

Examiner: Not yet assigned

Filed:

November 7, 2001

:

Title:

MULTI-LAYER PRINTED CIRCUIT BOARD  
FABRICATION SYSTEMDECLARATION IN SUPPORT OF PETITION UNDER 37 C.F.R. §1.182

I, William H. Dippert, hereby declare and say:

1. That, I am the attorney of record in the above application and am admitted to practice before the U.S. Patent and Trademark Office, Registration No. 26,723.

2. That, on November 7, 2001, as attorney of record, I filed the above-identified patent application with the U.S. Patent and Trademark Office ("USPTO"). The application papers included the following:

(1) A return postcard having a mailing date of November 7, 2001 which has subsequently been stamped by the USPTO with the filing date of November 7, 2001;

(2) A four page transmittal form listing the contents of the application papers;

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- (3) An Express Mail Certificate certifying the deposit date of November 7, 2001;
- (4) Thirty-two pages of Specification including claims and an abstract;
- (5) Seventeen sheets of drawing sheets; and
- (6) An unsigned declaration (five pages).

A copy of item (2) is enclosed.

3. It is my practice when filing any document with the USPTO to personally count the pages being submitted prior to insertion into an envelope addressed to the USPTO, to confirm that all pages are present and, especially, to confirm that the number of pages of the submission conforms to the pages indicated on the transmittal form. Here, the transmittal form indicates that thirty-two pages of Specification were enclosed. Thus, I personally counted the pages of the above application to confirm that all thirty-two pages were present. Also, the pages I counted were consistent with the number of pages set forth on the application transmittal form.

4. It is also my practice to have a copy in my application file of the papers submitted to the USPTO. On November 7, 2001 I placed a copy of the application papers submitted to the USPTO in my file of the above application. Said copy of the application papers contains page 24.

5. Upon receipt of the Notice to File Missing Parts, I immediately checked my file of the application case. The file contains copies of all pages of the Specification, including the allegedly missing page.

6. I hereby confirm that a complete copy of the above application, including page 24, was forwarded to the USPTO by Express Mail on November 7, 2001.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the lime is punishable by fine or imprisonment, or both, under Section 1001 of title 18 of the United States Code, and my jeopardize the validity of any patent issuing from the patent application.

  
William H. Dippert

Date: May 30, 2002

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becomes a simple calculation based on distance from an edge to determine whether a given edge is on the front or back side, and whether it is a front, back, left or right edge.

The invention has been described utilizing exemplary apparatus and exemplary methods. It should be understood that other apparatus may be used in carrying out the methods and the methods described may be useful in apparatus that is different from that described. For example, conventional projection exposure systems may be used to record patterns. Furthermore, since each of the methods is, in great measure, a stand alone method, other methods may be utilized in determining one or more of the calibrations described. In particular, it may be possible, under certain circumstances, to delete or simplify one of the calibrations, as for example when the devices are produced to a very high tolerance or where very high accuracy is not needed. In addition, while a system using two imagers has been described, a single imager may be used in one of two ways. In a first embodiment, the imager has a large enough field of view to encompass multiple patterns on the substrate. Generally, this embodiment will have a lower resolution and accuracy, but may be useful for some applications. A second method is to move the imager from position to position to image different patterns. Furthermore, variations in the methods described are also possible.

While the methods and apparatus described represent a "best mode" for carrying out the invention, it should be understood that some elements of the apparatus and claims may not be necessary for all embodiments of the invention and that elements of the various embodiments may be combined.

As used herein, the terms "have", "include" and "comprise" or their conjugates, as used herein mean "including but not necessarily limited to".